NEC MultiSync® P221W

22" widescreen professional LCD display ideal for graphics applications

Designed with key features for the graphics/photography professional, the 22" NEC MultiSync P221W is a smart investment for your desktop, while ensuring accurate, consistent and repeatable color performance.

- Best-in-class active matrix LCD technology with wide viewing angle and wide color gamut provides optimum performance for displaying color images
- Wide color gamut achieves 96% coverage of AdobeRGB (92% color gamut size vs. NTSC [1953])
- Internal 10-bit programmable lookup tables (LUTs) allow the display of 16.7 million colors out of a palette of 1.05 billion for lossless color and smooth images and hardware calibration
- AmbiBright™ ambient light sensor automatically adjusts the display's brightness based on lighting conditions
- XtraView+™ technology provides for the widest viewing angles available (up to 178°) with minimal off-angle color shift
- Four-way ergonomic stand boasts pivot, swivel, tilt and height-adjustment up to 150mm to maximize your viewing comfort

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The P221W's design allows you to adjust the display to your exact ergonomic preferences. In addition to tilt and swivel functionality, the height adjusts up to 150mm, and the display pivots between landscape to portrait orientations.

Available as an option for the P221W, the SpectraView$_{II}$™ system uses a color sensor to take color measurements of the display screen during calibration. The software analyzes these measurements and sends color adjustment commands directly to the display monitor. This means that color adjustments are made in the monitor rather than in the video graphics adapter, resulting in full use of the number of colors available on the graphics adapter and a much brighter image with the maximum possible color, resolution and fidelity.

Model	MultiSync P221W
Display	
Viewable Size Image	22"
Pixel Pitch	0.282mm
Pixels Per Inch	89 @ native resolution
Brightness (typical)	300 cd/m²
Contrast Ratio (typical)	1000:1
Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR > 10
Response Time (typical)	Rapid Response™ (8ms Gray-to-Gray; 16ms Black-to-Black)
Panel Bit Depth	10-bit internal LUTs, displays 16.7 million colors out of 1.05 billion color palette
Color Gamut*	
Coverage	AdobeRGB** - 96%
Size	AdobeRGB - 92%
Synchronization Range	
Horizontal	31.5 - 93.8/119.2 KHz (Analog/Digital)
Vertical	51 - 85 Hz
Input Signal	
Video	Analog RGB 0.7 Vp-p/75 Ohms
Sync	Separate sync: TTL Level (Positive/Negative) Composite sync: TTL Level (Positive/Negative) Composite sync on green: (0.3Vp-p negative 0.7Vp-p positive)
Inputs	DVI-D & VGA 15-pin D-sub
Resolutions Supported (Analog/Digital)	720 x 400 @ 70-85 Hz 640 x 480 @ 60-85 Hz 800 x 600 @ 56-85 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-85 Hz 1152 x 864 @ 70-85 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60 Hz 1280 x 1024 @ 60-75 Hz 1600 x 1200 @ 60 Hz 1920 x 1200 @ 60Hz
Native Resolution	1680 x 1050 @ 60Hz
Additional Features	AmbiBright - ambient light sensor, ultra-thin frame (bezel), No Touch Auto Adjust™, NaViSet™ software, tilt, VESA Mount, sRGB, tilt, swivel, height-adjustable stand (150mm), pivot, quick-release stand, vacation switch, 10-bit LUTs, black level adjustment, overdrive, ECO Mode™, real-time clock, Analog/Digital CableComp™, TileMatrix™, TileComp™, SpectraView$_{II}$ software-enabled
Touch-Capable	Designed for integration
Voltage Rating	AC 100-120V / AC 220-240V
Power Consumption (typical)	
On	62W
Power Savings Mode	2W
Dimensions (WxHxD)	
Net (with stand)	19.9 x 16.1-22 x 9.7 in. / 506.4 x 410-560 x 247.3mm
Net (without stand)	19.9 x 12.9 x 3.7 in. / 506.4 x 328.7 x 94mm
Net Weight	
(with stand)	18.5 lbs. / 8.4 kg
(without stand)	12.6 lbs. / 5.7 kg
VESA Hole Configuration Specifications	100 x 100mm
Environmental Conditions	
Operating Temperature	5-35° C / 41-95° F
Operating Humidity	30-80%
Operating Altitude	3048m / 10,000 ft.
Storage Temperature	-10-60° C / 14-140° F
Storage Humidity	10-85%
Storage Altitude	12,192m / 40,000 ft.
Safety Standards	UL / C-UL, CE, Gost/PCT, PSB, CCC, NOM, TUV GS, FCC Class B/Canadian DOC, C-tick, MPR II / MPR III, VCCI (class 2), TUV-Ergonomie, TCO 03, , Energy Star 4.0 Tier 2, GEEA
Limited Warranty	3 years parts and labor, including backlight
Technical Support	M - F (7am - 7pm CST)

* Color gamut size and coverage calculated as 2-D gamut area in CIE 1931 xy colorspace. Size is the total relative display gamut area and includes any colors outside the reference gamut. Coverage is the relative display gamut area contained inside the reference gamut. NTSC values provided for comparison purposes - modern broadcast video uses SMPTE-C, ITU-R BT, 709-5/sRGB or EBU primatries.

** AdobeRGB is a standard defined by Adobe Systems Incorporated.

ENERGY STAR
RoHS compliant
Windows Vista®

NEC Display Solutions

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